

Title (en)

Method for producing multi-core optical fiber.

Title (de)

Verfahren zum Herstellen von optischen Mehrkernfasern.

Title (fr)

Procédé de fabrication de fibres optiques à plusieurs noyaux.

Publication

EP 0193921 A1 19860910 (EN)

Application

EP 86102793 A 19860304

Priority

JP 4122585 A 19850304

Abstract (en)

A multi-core optical fiber with improved dimensional accuracy is produced by a method comprising inserting at least two core glass rods (3) in bores formed in a cladding glass rod (1) having a refractive index lower than that of the core glass rods (3) to be inserted, heating a composite of the cladding glass rod (1) and the core glass rods (3) to integrate them together, and drawing the integrated composite (4) to fabricate a multi-core optical fiber. The drawing may be carried out simultaneously with the integration step.

IPC 1-7

C03B 37/012; **C03B 37/028**

IPC 8 full level

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CPC (source: EP US)

C03B 37/01222 (2013.01 - EP US); **C03B 37/027** (2013.01 - EP US); **C03B 2203/34** (2013.01 - EP US)

Citation (search report)

- [X] US 3455666 A 19690715 - BAZINET WILFRED P JR
- [XP] EP 0147225 A2 19850703 - CORNING GLASS WORKS [US]
- [A] FR 2240459 A1 19750307 - SIEMENS AG [DE]

Cited by

EP2369376A3; WO03009028A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0193921 A1 19860910; **EP 0193921 B1 19901024**; CN 86101341 A 19860903; DE 3675036 D1 19901129; JP S61201633 A 19860906; US 4832720 A 19890523

DOCDB simple family (application)

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